

## EXHIBIT 5

## Genome Sequencing



## Roche Applied Science

- BIOTECHNICA 2005 Special
- Genome Sequencer 20 Instrument 3D-flash animation
- Genome Sequencer 20 System Multimedia Presentation

### Literature and References

- [Sign up for E-Mail Services to stay updated on Genome Sequencer 20 System](#)
- [Download the new brochure](#)
- [Reference: \[www.nature.com\]\(http://www.nature.com\)](#)

### System description

#### Revolutionize Whole Genome Sequencing and Assembly

The Genome Sequencer 20 System uses a revolutionary technology, producing more than 20 million raw bases per 5.5-hour run on a single instrument. The software included with the Genome Sequencer 20 System enables mapping or *de novo* assembly for whole genome shotgun sequencing of genomes up to 50 megabases. Many biologically meaningful and complex regions of genomes can be analyzed with this system without the time or cost constraints of current DNA-sequencing methods. The Genome Sequencer 20 System provides an enabling solution for ultra-high-throughput DNA sequencing. In the future, sequencing of complete eukaryotic genomes or high-throughput re-sequencing of human genes within the framework of drug targeting will be possible.

**Perform rapid, efficient amplification and sequencing in picoliter format with massive parallelization.**

### Benefits

- Fast**  
Sequence more than 20 million bases per 5.5-hour instrument run.
- Cost-Effective**  
Benefit from reduced cost per base compared to conventional Sanger technology.
- Simple**  
Perform sequencing runs with an easy-to-use instrument requiring minimal steps.
- Efficient**  
Sequence a typical bacterial genome in days with one person — without cloning and colony picking.
- Convenient**  
Use the complete system solution — from sample preparation to

data mapping or assembly.

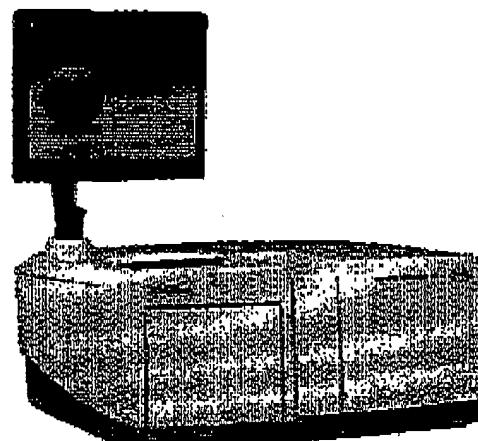


Figure 1: The Genome Sequencer 20 Instrument

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